Amendments to the Specification

Please replace the text on page 14, lines 8-10 with the following:

FIGS. ~~6A(i)-(iv)~~ <u>6A(1)-(3)</u> are schematics of ~~four~~ examples as to how a microlumen could be positioned near a portion of a cell so that only a small portion of the cell is analyzed.

Please replace the paragraph beginning on page 19, line 6 through page 20, line 3 with the following paragraph:

Not only arbitrary numbers of cells 14 can be sampled, but portions of cells 14 in many cases can be sampled. FIG. ~~6A(i)~~ <u>6A-1</u> is a diagrammatic depiction where microlumen 10 is positioned and used to sample the distal end of an extended process 18 of cell 14. FIG. ~~6A(ii)~~ <u>6A-2</u> is a diagrammatic depiction where microlumen 10 is positioned and used to sample a more proximal portion of process 18 of cell 14. FIG. ~~6A(iii)~~ <u>6A-3</u> is a diagrammatic depiction where a microlumen 20 is positioned next to or defined as part of a microfluidics chip 22 and is used to sample a process 24 of cell 14 disposed in microlumen 20. FIG. ~~6A(iii)~~ <u>6A-3</u> is <u>also provides</u> a diagrammatic depiction where a microlumen 20 is positioned next to or defined as part of a microfluidics chip 22 and is used to sample a distal end 26 of a process of cell 14 disposed in or near an inlet to microlumen 20. The diagrammatic depiction of FIGS. ~~6A(i)-(iv)~~ <u>6A-1 to 6A-3</u> are shown in the case of an actual cell 14 in the photomicrographs of FIG. 6B where a presampled image, an image of cell 14 and its process at 30 ms after imaging and then an image after microlumen 10 is removed in which the center of the position of the orifice of microlumen 10 relative to cell 14 is denoted by a black dot. The distal end of the process 18 can be clearly seen as being removed by comparing the presampling and post sampling images. FIG. 6C depicts two electropherograms, one shows a standard of Oregon Green and two isomers of fluorescein, and the other shows the analyzed contents of process 18 of cell 14, which had been previously loaded with Oregon Green and the same two isomers of fluorescein.

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